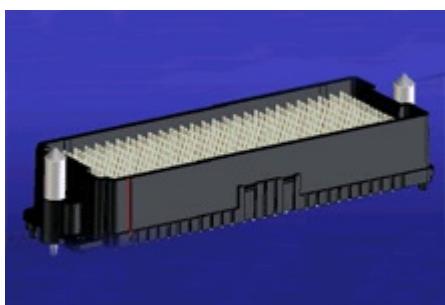


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Part Number: 45830-4221

1.20mm by 2.00mm Pitch HD Mezz™ Plug, 273 Circuits, 12.00mm Unmated Height, 21 Rows, Tin (Sn) Plating



Series image - Reference only

Status: Obsolete

Replacement: Contact Molex

Series: [45830](#)

Category: PCB Headers

Overview: [HD Mezz Mezzanine Connector System](#)

Mates With Part(s):

[45802](#) HD Mezz™ Receptacle

Product Environmental Compliance

[EU ELV](#):Product not active

[EU RoHS](#):Product not active

[EU RoHS Phthalates](#):Product not active

[China RoHS](#):

[REACH SVHC](#):Product not active

[Low-Halogen Status](#):Product not active

Part Detail

General

| | |
|---------------------|---|
| Status | Obsolete |
| Category | PCB Headers |
| Series | 45830 |
| Application | Board-to-Board, Signal |
| Comments | 1.20mm Pitch Pin-to-Pin and 2.00mm Pitch Row-to-Row |
| Overview | HD Mezz Mezzanine Connector System |
| Product Name | HD Mezz™ |
| UPC | 800756958729 |

Physical

| | |
|---------------------------------------|-------|
| Breakaway | No |
| Circuits (Loaded) | 273 |
| Circuits (maximum) | 273 |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Compliant | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |

| | |
|---------------------------------------|--------------------------------|
| Lock to Mating Part | Yes |
| Material - Metal | High Performance Alloy (HPA) |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 17.914/g |
| Number of Rows | 21 |
| Orientation | Vertical |
| PCB Locator | Yes |
| PCB Retention | Yes |
| Packaging Type | Tray |
| Pitch - Mating Interface | 1.20mm |
| Pitch - Termination Interface | 1.20mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Robotic Placement | Vacuum Pick-Up Clip |
| Shrouded | Closed Ends |
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -55°C to +105°C |
| Termination Interface: Style | Surface Mount |
| Unmated Height | 12.00mm |

Electrical

(Please review the Product Specification for specific details.)

| | |
|--------------------------------------|---------|
| Current - Maximum per Contact | 2.0A |
| Voltage - Maximum | 250V AC |

Agency Certification

Please find UL Certificates by searching the UL Database using the Molex Series Number. [Click here to visit the UL Database](#)

| | |
|------------|---------|
| CSA | LR19980 |
| UL | E29179 |

Solder Process Data

[Solderability Shelf Life Statement](#)

| | |
|---|--------|
| Duration at Max. Process Temperature (seconds) | 020 |
| Lead-freeProcess Capability | REFLOW |
| Max. Cycles at Max. Process Temperature | 002 |
| Process Temperature max. C | 260 |

Application Tooling

Tooling specifications and manuals are found by selecting the products below.

Crimp Height Specifications are then contained in the Application Tooling Specification document.

Previously Available Application Tooling

[Check our list of old tooling that used to be available for this part](#)

| Products | Quick Links | Resources | Stay Connected |
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